

MODULARIZED CIRCUIT DESIGN INFORMATION GENERATING METHOD, MODULARIZED
CIRCUIT DESIGN INFORMATION GENERATING TOOL AND INTEGRATED CIRCUIT
PREPARED WITH CIRCUIT DESIGN INFORMATION GENERATED THEREFROM

ABSTRACT

5 Modularized circuit design information generating tool comprises: a circuit
module design database including circuit design information of functional modules of
at least two categories, wherein at least one category of said functional modules
includes design information of circuit modules of at least two different specifications;
an element selection means to select suited circuit modules from said circuit module
10 design database according to particular specifications of functional elements to be
included into circuit to be designed and to include circuit design information
corresponding to said selected circuit modules into circuit design information file of
said circuit to be designed; a circuit module connection means to define connections
between or among selected circuit modules according to features of each selected
15 circuit module; a memory to store circuit design information of all selected circuit
modules and information of connections between and/or among the selected circuit
modules, both of circuit under design or circuit as designed; and a file converting
means to convert circuit design information so obtained into an applicable format. The
invention provides a modularized circuit design information generating method using
20 the tool and the integrated circuit prepared using the circuit design information so
generated.